

UNIVERSITY OF CALIFORNIA

COLLEGE OF LETTERS AND SCIENCE  
DEPARTMENT OF BACTERIOLOGY  
DAVIS, CALIFORNIA

November 2, 1959

Dr. J. Lederberg  
Department of Genetics  
Stanford University  
Stanford, California

Dear Josh:

On October 8 I had a rather lengthy discussion with two of the engineers at the Naval Biological Laboratory on the problem of remote collection of microbes from dust samples and remote two wavelength microscopy. A summary of this discussion is contained in the enclosed copy of a memorandum from the engineers, Chatigny and Lief, to Lamanna.

Two points are not adequately covered in the memorandum. First, several of the groups interested in early warning for BW are considering similar devices but none has developed a working model. Second, Carl mentioned another device, developed in Canada, which converts organic nitrogen to ammonia; the ammonia is then measured with an ionization gauge similar to but smaller than those used for detection in vapor chromatography. The ionization detector may prove the most sensitive device for detection of "protein."

I will be at Stanford on November 4. I hope to see you then.

Sincerely yours,



A. G. Marr  
Associate Professor of Bacteriology

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Encl.